The Condor 104:911–920
© The Cooper Ornithological Society 2002

INDEX TO VOLUME 104

COMPILED BY MARK R. JOHNSON AND HUGH D. W. POWELL

A

Abbott, C. L., T. Põldmaa, S. Lougheed, M. Clarke and P. T. Boag, Hierarchical analysis of genetic population structure in the Noisy Miner using DNA microsatellite markers, 652
Abdulkadir, L., *see* Westneat, D. F., 598
abundance, relative, 59
Accipiter gentilis laingi, 343
acoustic design, 564
Aepypodius arfakianus, 395
aerobic capacity, 548
Aethia cristatella, 413
Afton, A. D., *see* Weckstein, J. D., 432
age, 832
-related differences, 49
-specificity, 297
Agelaius phoeniceus, 631
thilius, 407
Akaike's Information Criterion, 208, 216
Alaska, 780
Albatross, Shy, 12
Southern Royal, 662
Albatross Island, 12
Alcidae, 309, 319
Alisauskas, R. T., *see* Weckstein, J. D., 432
Alle alle, 1
allometry, 457
altricial, 885
Amazon, Yellow-naped, 437
Amazona auropalliata, 437
analysis, capture-recapture, 297, 587
microhistological, 811
Anas fulvigula, 424
platyrhynchos, 297
annual cycle, 620
Anseriformes, 240
Antbird, Spotted, 387
Aphelocoma californica, 675
coerulescens 858
Aptenodytes forsteri, 444
patagonicus, 528
arctic, 1
Ardea alba, 631
herodias, 631
Arengo, F., and G. A. Baldassarre, Patch choice and foraging behavior of nonbreeding American Flamingos in Yucatán, Mexico, 452
Armesto, J. J., *see* De Santo, T. L., 482
Arsenault, D. P., P. B. Stacey and G. A. Hoelzer, No extra-pair fertilization in Flammulated Owls despite aggregated nesting, 197
artificial nests, 496
Artukhin, Y., *see* Pearce, R. L., 84
Asio otus, 202
Auklet, Crested, 413
Aythya affinis, 518
marila, 518

B

babbler, 740
Baduini, C. L., Parental provisioning patterns of Wedge-tailed Shearwaters and their relation to chick body condition, 823
Bain, M. R., and G. H. Farley, Display by apparent hybrid Prairie-Chickens in a zone of geographic overlap, 683
Baker, M. C., *see* Gammon, D. E., 854
Baldassarre, G. A., *see* Arengo, F., 452
Bard, S. C., M. Hau, M. Wikelski and J. C. Wingfield, Vocal distinctiveness and response to conspecific playback in the Spotted Antbird, a Neotropical suboscine, 387
Barhoum, D. N., and K. J. Burns, Phylogenetic relationships of the Wrentit based on mitochondrial cytochrome *b* sequences, 740
Barn Owl, 885
basal metabolism, 548
beak-opening, 444
Beebee, M. D., Song sharing by Yellow Warblers differs between two modes of singing: implications for song function, 146
behavior, 854
Beissinger, S. R., and N. F. R. Snyder, Water levels affect nest success of the Snail Kite in Florida: AIC and the omission of relevant candidate models, 208
Belonopterus, 170
Benedict, L. S., *see* Koenig, W. D., 539
Bennetts, R. E., *see* Dreitz, V. J., 216
Benson, D. P., Low extra-pair paternity in White-tailed Ptarmigan, 192
Berlin, K. E., *see* Simon, J. C., 469
Betancourt, L., *see* Gammon, D. E., 854
Bêty, J., *see* Mainguy, J., 156
bill shape, 675
biogeography, intercontinental, 725
bird, 240, 598, 631, 643
blow fly, 183
cavity-nesting, 240, 890
counts, 469
landbirds, 59
migration, 39
song, 564
surveys, 255
wading, 631
waterfowl, 424
Birt, T. P., *see* Pearce, R. L., 84
Blackbird, Yellow-winged, 407
Blackwell-Rago, R. C., *see* Zink, R. M., 167
Bluebird, Eastern, 205
Boag, P. T., *see* Abbott, C. L., 652
Bock, C. E., *see* Jones, Z. F., 643
body,
condition, adult, 156, 823
condition, chick, 823

mass, 49, 162
mass, rate of gain, 49
mass recession, 474
size, 705
surface temperature, 837
temperature, 705
Booby, Red-footed, 873
bowerbird, 750
Boyd, S., *see* Lougheed, C., 309
Boyd, W. S., *see* Evans, M. R., 610
Brachyramphus marmoratus, 178, 309, 319, 331
Bradley, R. W., L. A. McFarlane Tranquilla, B. A. Vanderkist and F. Cooke, Sex differences in nest visitation by chick-rearing Marbled Murrelets, 178
breeding aggregations, 197
chronology, 319
cooperative, 188, 694
effort, 156
propensity, 297
success, 353, 574
British Columbia, 178, 309, 319
brood parasitism, 366, 407, 795
Brothers, N., *see* Hedd, A., 12
Brown, C. R., and M. B. Brown, Does intercolony competition for food affect colony choice in Cliff Swallows?, 117
Brown, M. B., *see* Brown, C. R., 117
Brust, R. C., *see* Williams, C. L., 424
Bucephala albeola, 610
islandica, 610
Bufflehead, 610
Burns, K. J., *see* Barhoum, D. N., 740
Butler, P. J., *see* Guillemette, M., 448

C

caching, 539
Calcarius lapponicus, 129
Calidris alpina, 271
California, 103
cameras, 496
Campbell, K. E., Jr., A new species of Late Pleistocene Lapwing from Rancho La Brea, California, 170
capture-recapture, 297, 587
carbon-13, 1
Carduelis tristis, 548, 558
Catoptrophorus semipalmatus inornatus, 620
cavities, natural, 610
cavity nesting, 240, 890
Cayo del Agua, 587
Cepphus grylle, 1
Cettia diphone, 469
Chaetops frenatus, 188
Chamaea fasciata, 740
Charadriiformes, 896
Charadrius bicinctus, 899
Chardine, J. W., Geographic variation in the wingtip patterns of Black-legged Kittiwakes, 687
Chase, M. K., Nest site selection and nest success in a Song Sparrow population: the significance of spatial variation, 103
Chastel, O., and H. Lormée, Patterns of prolactin secretion in relation to incubation failure in a tropical seabird, the Red-footed Booby, 873
CHD gene, 437, 598
chemoreception, 444
Chen caerulescens atlantica, 156
caerulescens caerulescens, 432
rossii, 432
chick growth, 12, 574
provisioning, 12
Chickadee, Black-capped, 854
Chilton, G., M. O. Wiebe and P. Handford, Large-scale geographic variation in songs of Gambel's White-crowned Sparrows, 378
China, 896
Christmas Bird Count, 255
chronology, 319
clam densities, 518
Clark, R. G., *see* Dufour, K. W., 297
see Pelayo, J. T., 457
Clarke, M., *see* Abbott, C. L., 652
Clayton, D. H., *see* Moyer, B. R., 675
clearcut, 366
clutch,
size, 156, 482
supranormal, 694
coastal scrub, 103
Collopy, M. W., *see* Dreitz, V. J., 216
colonial nesting, 240
waterbirds, 174
coloniality, 117
colonization, 725
colony, mixed-species, 174
Colorado, 643
Columba trocaz, 811
Columbidae, 248
Columbiformes, 558
Columbina picui, 248
community composition, 890
comparative method, 240
competition, 174
condition, 30
conditional strategy, 598
Condor, Andean, 832
connectivity, 271, 620
Conure, Patagonian, 574
conspicuousness, 657
continental shelf, 662
continuous daylight, 667
control region, 432
convergence, 564
Cooke, F., *see* Bradley, R. W., 178
see Evans, M. R., 610
see Lougheed, C., 309, 319
Cooper, B. A., *see* Raphael, M. G., 331
Corman, T. E., Birds of the Southwest, by John H. Rappole (book review), 225
Cormorant, Red-legged, 440
Corvus corax, 496
corticosterone, 129, 558, 667
Cowbird, Brown-headed, 795
Shiny, 407
cowbirds, 761, 866
Cox, G. W., Galápagos diary, by Hermann Heinzel and Barnaby Hall (book review), 467
Crozet, 528

Crozier, G. E., and D. E. Gawlik, Avian response to nutrient enrichment in an oligotrophic wetland, the Florida Everglades, 631
crypticity, 657
Culebra, 587
Cyanoliseus patagonus, 574
Czarnowski, M. R., *see* Lombardo, M. P., 803

D

Damus, M., *see* Pearce, R. L., 84
data-loggers, 448
de la Peña, M. R., and M. Rumboll, Birds of southern South America and Antarctica, reviewed by B. L. Sharp, 903
De Santo, T. L., M. F. Willson, K. E. Sieving and J. J. Armesto, Nesting biology of tapaculos (Rhinocryptidae) in fragmented south-temperate rainforests of Chile, 482
DeGraaf, R. M., *see* Vander Haegen, W. M., 496
demography, 587
Dendrocolaptidae, 281
Dendroica petechia, 146
density estimation, 469
Dewey, S. R., *see* McClaren, E., 343
dialects, 750, 761
Dickinson, J. L., *see* Marks, J. S., 202
diel rhythm, 667
diet, 1, 73, 811
Diomedea epomophora, 662
dispersal, 528, 620, 725
display, 683
  coordinated, 772
diving behavior, 440
  response, 444
DNA,
  fingerprinting, 202
  mtDNA, 167
  mtDNA sequencing, 432
  multilocus DNA fingerprinting, 197
dominance, 832
Donázar, J. A., and J. E. Feijóo, Social structure of Andean Condor roosts: influence of sex, age, and season, 832
Dotterel, Banded, 899
Doucet, S. M., Structural plumage coloration, male body size, and condition in the Blue-black Grassquit, 30
Dove, Picui, 248
  Zenaida, 587
Dreitz, V. J., R. E. Bennetts, B. Toland, W. M. Kitchens and M. W. Collopy, Snail Kite nest success and water levels: a reply to Beissinger and Snyder, 216
Drew, M., *see* Jones, J., 49
Drovetski, S., *see* Zink, R. M., 167
Duck, Mottled, 424
  Ruddy, 457
  seaducks, 448
duckling composition, 457
Dufour, K. W., and R. G. Clark, Differential survival of yearling and adult female Mallards and its relation to breeding habitat conditions, 297
Dunlin, 271
DuPlessis, M. A., *see* Holmes, R. T., 188

E

Eberhard, J. R., Cavity adoption and the evolution of coloniality in cavity-nesting birds, 240
ecological determinants, 705
ectoparasites, 183, 675
edge effects, 366
Edwards, T. C., Jr., *see* Lawler, J. J., 890
egg composition, 457
  desertion, spontaneous, 873
  loss, 353
  punctures, 407
  size, 457
Eider, Pacific Common, 780
eiders, 448
electronic weighing platforms, 12
Ellers, J., *see* Slabbekoorn, H., 564
Empidonax oberholseri, 507
  traillii, 877
endangered species, 216, 795, 877
energy reserves, 457
Enkerlin-Hoeflich, E., *see* Monterrubio, T., 788
Ericson, P. G. P., *see* Hou, L., 896
Eudocimus albus, 631
Eudyptes chrysocome, 444
  chrysolophus, 444
Eugralla paradoxa, 482
Euler buckling, 281
euphausiids, 413
eutrophication, 631
Evans, M. R., D. B. Lank, W. S. Boyd and F. Cooke, A comparison of the characteristics and fate of Barrow's Goldeneye and Bufflehead nests in nest boxes and natural cavities, 610
Everglades, 208, 631
extra-pair fertilization, 197

F

Faaborg, J., *see* Washburn, B. E., 558
Falco peregrinus, 39
Falcon, Peregrine, 39
Falk, K., *see* Hobson, K. A., 1
Falkland Islands, 528
Fancy, S. G., *see* Simon, J. C., 469
Farley, G. H., *see* Bain, M. R., 683
Farrell, S. L., *see* Zink, R. M., 167
fecal sac, 205
feeding behavior, scaup, 518
Feijóo, J. E., *see* Donázar, J. A., 832
female choice, 866
Filippi, D., *see* Waugh, S., 662
Finch, D. M., *see* Wang, Y., 59
Flagstad, A., *see* Guillemette, M., 448
flamingos, 452
flight altitudes, 679
  times, 679
Flint, P. L., *see,* Petersen, M. R., 780
Florida, 216
Flycatcher, Dusky, 507
  Willow, 877
food competition, 117
  storage, 539
foraging, 117, 452, 662
forest, bottomland, 366
  fragmentation, 482

laurel, 811
pine, 788
rainforest, 469
Forman, A. N., *see* Lombardo, M. P., 803
fragmentation, 331
Francis, C. M., *see* Jones, J., 49
see Lepage, D., 255
Franzreb, K. E., The Red-cockaded Woodpecker: surviving in a fire-maintained ecosystem, by Richard N. Conner, D. Craig Rudolph, and Jeffrey R. Walters (book review), 701
Fraser, G. S., I. L. Jones and F. M. Hunter, Male-female differences in parental care in monogamous Crested Auklets, 413
Fratercula corniculata, 842
Frauenknecht, B. D., *see* Holmes, R. T., 188
Frere, E., F. Quintana and P. Gandini, Diving behavior of the Red-legged Cormorant in southeastern Patagonia, Argentina, 440
Friesen, V. L., *see* Pearce, R. L., 84
frugivory, 136
fruit phenology, 811
Fuller, M. R., *see* Shannon, H. D., 679
Fuller, S., *see* Jones, J., 49
Furnariidae, 281

G

Gales, R., *see* Hedd, A., 12
Gallinula chloropus, 631
Gammon, D. E., M. C. Baker and L. Betancourt, Lack of discrimination of conspecific vocalizations by Black-capped Chickadees: tests on hand-raised juveniles, 854
Gandini, P., *see* Frere, E., 440
Gannes, L. Z., Mass change pattern of Blackcaps refueling during spring migration: evidence for physiological limitations to food assimilation, 231
Gauthier, G., *see* Mainguy, J., 156
Gawlik, D. E., *see* Crozier, G. E., 631
gene flow, 84
genetic monogamy, 197
structure, 424
geographic variation, 687, 866
George, T. L., *see* Liebezeit, J. R., 507
Geothlypis trichas, 631
Gilchrist, G., *see* Hobson, K. A., 1
Gilman, E., Seabird bycatch: trends, roadblocks, and solutions, edited by Edward F. Melvin and Julia K. Parrish (book review), 903
Gipson, J., *see* Westneat, D. F., 598
Giroux, J.-F., *see* Mainguy, J., 156
Glaucomys sabrinus, 890
global location sensors, 528
glucocorticoids, 129
Goldeneye, Barrow's, 610
Goldfinch, American, 548
Good, T. P., Breeding success in the Western Gull × Glaucous-winged Gull complex: the influence of habitat and nest-site characteristics, 353
Goose, Greater Snow, 156
Gorney-Labinger, E., and S. I. Rothstein, Brown-headed Cowbirds in eastern and western North America show similar use of courtship songs in copulation contexts, 866
Gowaty, P. A., *see* Lang, J. D., 205
granary, 539
grassland, 643
Grassquit, Blue-black, 30
Great Basin, 620
Great Plains, 643
Green Hylia, 564
group selection, 366
grouse, 496
growth, 885
Guillemette, M., A. J. Woakes, A. Flagstad and P. J. Butler, Effects of data-loggers implanted for a full year in female Common Eiders, 448
Gull, Glaucous-winged, 353
Western, 353
Guynn, D. C., Jr., *see* Moorman, C. E., 366

H

habitat, 353
quality, 343
saturation, 694
selection, 103, 117, 890
Haig, S., L. W. Oring, P. M. Sanzenbacher and O. W. Taft, Space use, migratory connectivity, and population segregation among Willets breeding in the western Great Basin, 620
Haig, S. M., *see* Sanzenbacher, P. M., 271
Hamilton, R. B., *see* Monterrubio, T., 788
Handford, P., *see* Chilton, G., 378
Harding, A. M. A., T. I. Van Pelt, J. F. Piatt and A. S. Kitaysky, Reduction of provisioning effort in response to experimental manipulation of chick nutritional status in the Horned Puffin, 842
hatching date, 761
order, 574
Hatfield, J. S., *see* Simon, J. C., 469
Hau, M., *see* Bard, S. C., 387
Hauber, M. E., Cuckoos, cowbirds and other cheats, by Nicholas B. Davies (book review), 466
Haydock, J., *see* Marks, J. S., 202
Hedd, A., R. Gales and N. Brothers, Provisioning and growth rates of Shy Albatrosses at Albatross Island, Tasmania, 12
Heindl, M., Social organization on leks of the Wire-tailed Manakin in southern Venezuela, 772
helping, 202
hematology, 162
Hemignathus virens, 469
Himatione sanguinea, 469
Hobson, K. A., G. Gilchrist and K. Falk, Isotopic investigations of the North Water Polynya: contrasting trophic relationships between the eastern and western sectors, 1
Hoelzer, G. A., *see* Arsenault, D. P., 197
Holmes, R. T., B. D. Frauenknecht and M. A. DuPlessis, Breeding system of the Cape Rockjumper, a South African fynbos endemic, 188
home range, 271, 620
honest advertisement, 30
honeycreeper, Hawaiian, 469
Hou, L., and P. G. P. Ericson, A Middle Eocene shorebird from China, 896

House Wren, 183, 881
Huadian Formation, 896
Hunter, F. M., *see* Fraser, G. S., 413
hybridization, 432, 683
Hylia prasina, 564
Hylocichla mustelina, 92
Hylophylax naevioides, 387
hypothermia, 705

I

immersion, 444
impact study, 448
incubation failure, 873
insect damage, 539
investigator disturbance, 899
irruptive species, 255
islands, 811

J

Jabłoński, P. G., Searching for conspicuous versus cryptic prey: search rates of flush-pursuing versus substrate-gleaning birds, 657
Janota, S. M., S. S. Soukup and C. F. Thompson, Male-biased offspring sex ratio in the House Wren, 881
Jiliniornis huadianensis, 896
Johnson, L. S., *see* Morrison, B. L., 183
Jones, I. L., *see* Fraser, G. S., 413
Jones, J., C. M. Francis, M. Drew, S. Fuller and M. W. S. Ng, Age-related differences in body mass and rates of mass gain of passerines during autumn migratory stopover, 49
Jones, Z. F., and C. E. Bock, Conservation of grassland birds in an urbanizing landscape: a historical perspective, 643
juvenile ratio, 309
  survival, 482

K

Kanakasabai, R., *see* Nagarajan, R., 885
Kato, A., *see* Ropert-Coudert, Y., 444
Keedwell, R. J., and M. D. Sanders, Nest monitoring and predator visitation at nests of Banded Dotterels, 899
Keim, P., *see* Paxton, E. H., 877
Kempenaers, B., *see* Mahler, B., 248
Kennedy, P. L., *see* McClaren, E., 343
Kerguelen Islands, 528
Kilgo, J. C., *see* Moorman, C. E., 366
Kitaysky, A. S., *see* Harding, A. M. A., 842
Kitchens, W. M., *see* Dreitz, V. J., 216
Kite, Snail, 208, 216
kittiwakes, 687
Koenig, W. D., and L. S. Benedict, Size, insect parasitism, and energetic value of acorns stored by Acorn Woodpeckers, 539
Kopuchian, C., *see* Tubaro, P. L., 281
Kowalsky, J. R., *see* Simon, J. C., 469
Kravetz, F. O., *see* Mascitti, V., 73
Kroon, F. J., *see* Westcott, D. A., 750
Kurita, M., *see* Ropert-Coudert, Y., 444
Kus, B. E., Fitness consequences of nest desertion in an endangered host, the Least Bell's Vireo, 795

L

Lagopus leucurus, 192
landscape, 890
Lang, J. D., C. A. Straight and P. A. Gowaty, Observations of fecal sac disposal by Eastern Bluebirds, 205
Lank, D. B., *see* Evans, M. R., 610
lapwings, 170
Larus glaucescens, 353
  hyperboreus, 1
  occidentalis, 353
Lawler, J. J., and T. C. Edwards, Jr., Composition of cavity-nesting bird communities in montane aspen woodland fragments: the roles of landscape context and forest structure, 890
laying date, 156
learning, 761
Leberg, P. L., *see* Pius, S. M., 174
Leiothrix lutea, 469
lek, 683
  dispersed, 772
Lepage, D., and C. M. Francis, Do feeder counts reliably indicate bird population changes? 21 years of winter bird counts in Ontario, Canada, 255
leukocytes, 162
lice, 675
Liebezeit, J. R., and T. L. George, Nest predators, nest-site selection, and nesting success of the Dusky Flycatcher in a managed ponderosa pine forest, 507
light intensity, 667
Lijtmaer, D. A., *see* Tubaro, P. L., 281
Liknes, E. T., S. M. Scott and D. L. Swanson, Seasonal acclimatization in the American Goldfinch revisited: to what extent do metabolic rates vary seasonally?, 548
Lill, A., *see* Stanley, M. C., 136
logistic curve, 885
Lombardo, M. P., A. N. Forman, M. R. Czarnowski and P. A. Thorpe, Individual, temporal, and seasonal variation in sperm concentration in Tree Swallows, 803
Long Point, 49
Lormée, H., *see* Chastel, O., 873
Lotem, A., *see* Ovadia, O., 837
Lotz, C. N., and S. W. Nicolson, Nectar dilution increases metabolic rate in the Lesser Double-collared Sunbird, 672
Lougheed, C., B. A. Vanderkist, L. W. Lougheed and F. Cooke, Techniques for investigating breeding chronology in Marbled Murrelets, Desolation Sound, British Columbia, 319
Lougheed, C., L. W. Lougheed, F. Cooke and S. Boyd, Local survival of adult and juvenile Marbled Murrelets and their importance for estimating reproductive success, 309
Lougheed, L. W., *see* Lougheed, C., 309
  see Lougheed, C., 319
Lougheed, S., *see* Abbott, C. L., 652
Lovegrove, B. G., *see* McKechnie, A. E., 705
Lovvorn, J. R., *see* Poulton, V. K., 518

M

Mack, D. E., *see* Raphael, M. G., 331
Macoma balthica, 518
Maechtle, T. L., *see* McGrady, M. J., 39
Mahler, B., and B. Kempenaers, Objective assessment of sexual plumage dichromatism in the Picui Dove, 248
Mainguy, J., J. Bêty, G. Gauthier and J.-F. Giroux, Are body condition and reproductive effort of laying Greater Snow Geese affected by the spring hunt?, 156
male bias, 178
Mallard, 297
management implications, 216
  unit, 84
manakins, 772
Manorina melanocephala, 652
Marks, J. S., J. L. Dickinson and J. Haydock, Serial polyandry and alloparenting in Long-eared Owls, 202
Marrero, P., *see* Oliveira, P., 811
Marzluff, J. M., A manual for wildlife radio tracking, by Robert E. Kenward (book review), 464
Mascitti, V., and F. O. Kravetz, Bill morphology of South American flamingos, 73
Masello, J. F., and P. Quillfeldt, Chick growth and breeding success of the Burrowing Parrot, 574
Massoni, V., and J. C. Reboreda, A neglected cost of brood parasitism: egg punctures by Shiny Cowbirds during inspection of potential host nests, 407
mate guarding, 192
mating behavior, 866
  system, 188
McCarthey, T. D., *see* Paxton, E. H., 877
McClaren, E., P. L. Kennedy and S. R. Dewey, Do some Northern Goshawk nest areas consistently fledge more young than others?, 343
McGrady, M. J., T. L. Maechtle, J. J. Vargas, W. S. Seegar and M. C. P. Peña, Migration and ranging of Peregrine Falcons wintering on the Gulf of Mexico coast, Tamaulipas, Mexico, 39
McKechnie, A. E., and B. G. Lovegrove, Avian facultative hypothermic responses: a review, 705
meal size, 823
megapodes, 395
Megapodius decollatus, 395
Melanerpes formicivorus, 539
Melospiza melodia, 103
Melvin, E. F., and J. K. Parrish, Seabird bycatch: trends, roadblocks, and solutions, reviewed by E. Gilman, 903
mesh size, 73
metabolic rate, 672
metabolism, summit, 548
Mexico, 39, 452
microsatellites, 652
Middle Eocene, 896
migration, 59, 231
Millspaugh, J. J., *see* Washburn, B. E., 558
mimicry, 858
mist netting, 59
mitochondrial DNA, 84, 725, 740
mixed models, 343
Mockingbird, Northern, 858
model selection, 208
molecular clock, 725
  sexing, 437
Molothrus ater, 761, 795, 866
  bonariensis, 407
monitoring, 255, 331
monogamy, 192
Monterrubio, T., E. Enkerlin-Hoeflich and R. B. Hamilton, Productivity and nesting success of Thick-billed Parrots, 788
Moorman, C. E., D. C. Guynn Jr. and J. C. Kilgo, Hooded Warbler nesting success adjacent to group selection and clearcut edges in a southeastern bottomland forest, 366
morphology, bill, 73
  gut, 136
  tail, 281
morphometry, 885
Morris, D. L., *see* Washburn, B. E., 558
Morrison, B. L., and L. S. Johnson, Feeding of House Wren nestlings afflicted by hematophagous ectoparasites: a test of the parental compensation hypothesis, 183
Motacilla, 725
movements, 271
Moyer, B. R., A. T. Peterson and D. H. Clayton, Influence of bill shape on ectoparasite load in Western Scrub-Jays, 675
Mumme, R. L., *see* Owen-Ashley, N. T., 858
Murrelet, Ancient 84
  Marbled, 178, 309, 319, 331
Mycteria americana, 631
Myioborus pictus, 657

N

Nagarajan, R., K. Thiyagesan, R. Natarajan and R. Kanakasabai, Patterns of growth in nestling Indian Barn-Owls, 885
Natarajan, R., *see* Nagarajan, R., 885
nectar concentration, 672
Nectarinia chalybea, 672
neighbor-stranger discrimination, 387
Neotropical migrant, 92
nest,
  boxes, 610
  desertion, 795
  ground, 587
  monitoring, 899
  mounds, 395
  predation, 103, 188
  predators, 496, 507
  productivity, 343
  sanitation, 205
  site selection, 174, 507
  site availability, 482
  site reuse, 482
  success, 103, 208, 216, 366, 482, 496, 507, 610, 788
nestling begging, 837
  growth, 183
Ng, M. W. S., *see* Jones, J., 49
Nicolson, S. W., *see* Lotz, C. N., 672
nitrogen-15, 1

Nogales, M., *see* Oliveira, P., 811
Noisy Miner, 652
nonbreeding, 271
grounds, 39
Novoa, F. F., *see* Ruiz, G., 162
nutrients, 631
reserves, 156
nutritional status, 842

O

oaks, 539
Oliveira, P., P. Marrero and M. Nogales, Diet of the endemic Madeira Laurel Pigeon and fruit resource availability: a study using microhistological analyses, 811
O'Loghlen, A. L., and S. I. Rothstein, Vocal development is correlated with an indicator of hatching date in Brown-headed Cowbirds, 761
Olympic Peninsula, 331
Ontario, 49
open space, 643
Oreoscoptes montanus, 496
Oring, L. W., *see* Haig, S., 620
Otus flammeolus, 197
Ovadia, O., B. Pinshow, and A. Lotem, Thermal imaging of House Sparrow nestlings: the effect of begging behavior and nestling rank, 837
Owen-Ashley, N. T., S. J. Schoech and R. L. Mumme, Context-specific response of Florida Scrub-Jay pairs to Northern Mockingbird vocal mimicry, 858
Owl, Flammulated, 197
Owl, Long-eared, 202
oxygen consumption, 548
Oxyura jamaicensis, 457

P

Palacios, M. G., *see* Tubaro, P. L., 281
paleontology, 896
Palmeria dolei, 469
Papua New Guinea, 395
parasitism,
brood, 366, 407, 795
costs of, 407
parental care, 183, 413
male, 192, 197
Paroreomyza montana, 469
Parrish, J. K., *see* E. F. Melvin, 903
Parrot, Thick-billed, 788
Passer domesticus, 129, 598, 837
Passeriformes, 558
Passerina cyanea, 558
passerines, 49, 496
patch choice, 452
paternal care, 192
paternity, 192
Paxton, E. H., M. K. Sogge, T. D. McCarthey and P. Keim, Nestling sex ratio in the Southwestern Willow Flycatcher, 877
Pearce, R. L., J. J. Wood, Y. Artukhin, T. P. Birt, M. Damus and V. L. Friesen, Mitochondrial DNA suggests high gene flow in Ancient Murrelets, 84
Pelayo, J. T., and R. G. Clark, Variation in size, composition, and quality of Ruddy Duck eggs and ducklings, 457
Pelecanus erythrorhynchos, 679
Pelican, American White, 679
Peña, M. C. P., *see* McGrady, M. J., 39
Penguin, Adélie, 667
penguins, captive, 444
Petersen, M. R., and P. L. Flint, Population structure of Pacific Common Eiders breeding in Alaska, 780
Peterson, A. T., *see* Moyer, B. R., 675
Petrochelidon pyrrhonota, 117
Phalacrocorax gaimardi, 440
phenology, 469
Phillips, R. A., Trios of Brown Skuas at Bird Island, South Georgia: incidence and composition, 694
philopatry, 448
Phoenicoparrus andinus, 73
jamesi, 73
Phoenicopterus chilensis, 73
ruber ruber, 452
phosphorus, 631
phylogeny, 705, 740
physiology, 231, 444
Piatt, J. F., *see* Harding, A. M. A., 842
Pica hudsonia, 496
Picoides tridactylus, 167
Pinshow, B., *see* Ovadia, O., 837
Pipra filicauda, 772
Pius, S. M., and P. L. Leberg, Experimental assessment of the influence of Gull-billed Terns on nest site choice of Black Skimmers, 174
planktivore, 413
plasma, 558
playback, 750, 854, 858
experiment, 387
Pleistocene, 170
plumage, 30
Poecile atricapilla, 854
point count, 59
Põldmaa, T., *see* Abbott, C. L., 652
polyandry, 202
polygyny, 694
polynya, 1
population expansions, 167
population,
genetic differentiation, 84
genetics, 424, 432
monitoring, 92
structure, 652, 780
trends, 255
Poston, J. P., *see* Westneat, D. F., 598
Potamocorbula amurensis, 518
Poulton, V. K., J. R. Lovvorn and J. Y. Takekawa, Clam density and scaup feeding behavior in San Pablo Bay, California, 518
Powell, A. N., Prairie birds: fragile splendor in the Great Plains, by Paul A. Johnsgard (book review), 224
Prairie-Chicken, Greater, 683
Lesser, 683
Pratt, T. K., *see* Simon, J. C., 469
predation, 610, 899

predators, 587
avoidance, 205
-prey, 657
preening, 675
Prionodura newtonia, 750
productivity, 92, 788
Project FeederWatch, 255
prolactin, 667, 873
Protocalliphora parorum, 183
provisioning, 178, 823
regulation of food, 842
Pseudonestor xanthophrys, 469
Psittaciformes, 574
Ptarmigan, White-tailed, 192
Pteroptochus tarnii, 482
Puerto Rico, 587
Puffin, Horned, 842
Puffinus pacificus, 823
Pütz, K., Spatial and temporal variability in the foraging areas of breeding King Penguins, 528
Pygoscelis adeliae, 444, 667
antarctica, 444
papua, 444

Q

Quillfeldt, P., *see* Masello, J. F., 574
Quintana, F., *see* Frere, E., 440
Quiscalus major, 631

R

radar, 331
radioimmunoassay, 558
radio-telemetry, 178, 309, 319, 440
rainforest, 469
Rancho La Brea, 170
Raphael, M. G., D. E. Mack and B. A. Cooper, Landscape-scale relationships between abundance of Marbled Murrelets and distribution of nesting habitat, 331
Reboreda, J. C., *see* Massoni, V., 407
recognition, 848
Redstart, Painted, 657
repertoire matching, 146
reproduction, 343, 587
reproductive biology, 188
effort, 842
resources, 662
Rhinocryptidae, 482
Rhodes, O. E., Jr., *see* Williams, C. L., 424
Rhynchops niger, 174
Rhynchopsitta pachyrhyncha, 788
Rio Grande, 59
Rissa tridactyla, 1, 687
river drainage, 331
Rivera-Milán, F. F., and F. C. Schaffner, Demography of Zenaida Doves on Cayo del Agua, Culebra, Puerto Rico, 587
Rohwer, S., *see* Zink, R. M., 167
Romero, L. M., and R. C. Romero, Corticosterone responses in wild birds: the importance of rapid initial sampling, 129
Romero, R. C., *see* Romero, L. M., 129
roost, 832
Ropert-Coudert, Y., A. Kato, R. P. Wilson and M. Kurita, Short underwater opening of the beak following immersion in seven penguin species, 444
Rosenmann, M., *see* Ruiz, G., 162
Rostrhamus sociabilis, 208, 216
Roth, R. R., *see* Underwood, T. J., 92
Rothstein, S. I., *see* Gorney-Labinger, E., 866
see O'Loghlen, A. L., 761
Ruiz, G., M. Rosenmann, F. F. Novoa and P. Sabat, Hematological parameters and stress index in Rufous-collared Sparrows dwelling in urban environments, 162
Rumboll, M., *see* de la Peña, M. R., 903
rural, 162

S

Sabat, P., *see* Ruiz, G., 162
San Francisco Bay, 518
Sanders, M. D., *see* Keedwell, R. J., 899
Sanzenbacher, P. M., and S. M. Haig, Residency and movement patterns of wintering Dunlin in the Willamette Valley of Oregon, 271
Sanzenbacher, P. M., *see* Haig, S., 620
satellite tracking, 662
Sauer, J. R., Bird census techniques, second edition, by Colin J. Bibby, Neil D. Burgess, David A. Hill, and Simon H. Mustoe (book review), 698
scansorial, 281
Schaffner, F. C., *see* Rivera-Milán, F. F., 587
Schoech, S. J., *see* Owen-Ashley, N. T., 858
Schroeder, M. A., *see* Vander Haegen, W. M., 496
Schulz, J. H., *see* Washburn, B. E., 558
Sclerochilus rubecula, 482
Scott, S. M., *see* Liknes, E. T., 548
Scrub-Jay, Florida, 858
Western, 675
Scytalopus magellanicus, 482
seabirds, 1, 174, 309, 319, 413, 842, 873
search rate, 657
season, 881
seasonal acclimatization, 548
seasonality, 811
seed processing, 136
transit time, 136
Seegar, W. S., *see* McGrady, M. J., 39
see Shannon, H. D., 679
sex, 832
allocation, 598
ratio, 178, 437
ratio, nestling, 877
ratio, offspring, 881
ratio adjustment, 881
sexual dichromatism, 248
selection, 30, 598, 866
Shannon, H. D., G. S. Young, M. A. Yates, M. R. Fuller and W. S. Seegar, American White Pelican soaring flight times and altitudes relative to changes in thermal depth and intensity, 679
Sharp, B. L., Birds of southern South America and Antarctica, by Martin R. de la Peña and Maurice Rumboll (book review), 903
Shearwater, Wedge-tailed, 823
shrubsteppe, 496
Sialia sialis, 205
Sieving, K. E., *see* De Santo, T. L., 482

Silvereye, 136
Simon, J. C., T. K. Pratt, K. E. Berlin, J. R. Kowalsky, S. G. Fancy and J. S. Hatfield, Temporal variation in bird counts within a Hawaiian rainforest, 469
Sinclair, J. R., Selection of incubation mound sites by three sympatric megapodes in Papua New Guinea, 395
site selection, 395
Slabbekoorn, H., J. Ellers and T. B. Smith, Birdsong and sound transmission: the benefits of reverberations, 564
Smith, T. B., *see* Slabbekoorn, H., 564
Snyder, N. F. R., *see* Beissinger, S. R., 208
soaring, cross-country, 679
performance, avian, 679
social behavior, 117
status, 772
structure, 832
Sogge, M. K., *see* Paxton, E. H., 877
Soha, J. A., and C. Whaling, Responses of adult White-crowned Sparrows to playback of song phrases: implications for the ontogeny of song recognition, 848
Somateria mollissima, 448
mollissima v-nigrum, 780
song, 387, 564, 761, 866
categories, 146
dialects, 378
learning, 854
matching, 146
ontogeny, 848
phrases, 848
sharing, 146
variation, 750
Soukup, S. S., *see* Janota, S. M., 881
sound transmission, 564
South Africa, 188
South Georgia, 528
South, J. M., and T. F. Wright, Nestling sex ratios in the Yellow-naped Amazon: no evidence for adaptive modification, 437
Sparrow, Song, 103
White-crowned, 378, 848
spatial variability, 343
species limits, 167
richness, 59
spectral reflectance, 248
sperm competition, 803
concentration, 803
Spheniscus humboldti, 444
spring habitat conditions, 297
hunt, 156
squirrel, northern flying, 890
Stacey, P. B., *see* Arsenault, D. P., 197
Stanley, M. C., and A. Lill, Does seed packaging influence fruit consumption and seed passage in an avian frugivore?, 136
Stercorarius lonnbergi, 694
Sterna nilotica, 174
Stettenheim, P., A passion for birds/ American ornithology after Audubon, by Mark V. Barrow, Jr. (book review), 463
Stewart, I. R. K., *see* Westneat, D. F., 598
stopover ecology, 49, 231
Straight, C. A., *see* Lang, J. D., 205
stress , 129, 558
index, 162
structural colors, 30
suboscine, tropical, 387
Sula sula, 873
Sunbird, Lesser Double-collared, 672
survival, 297
local, 309
Swallow, Cliff, 117
Swanson, D. L., *see* Liknes, E. T., 548
Sylvia, 740
atricapilla, 231
sympatry, 683
Synthliboramphus antiquus, 84

T

Tachycineta bicolor, 803
Taft, O. W., *see* Haig, S., 620
Takekawa, J. Y., *see* Poulton, V. K., 518
Talegalla jobiensis, 395
taxonomy, 687
techniques, 129
temporal variability, 343
territoriality, 858
Thalassarche cauta, 12
thermal imaging, infrared, 837
thermals, 679
thermoregulation, 837
Thiyagesan, K., *see* Nagarajan, R., 885
Thompson, C. F., *see* Janota, S. M., 881
Thorpe, P. A., *see* Lombardo, M. P., 803
Thrush, Wood, 92
Toland, B., *see* Dreitz, V. J., 216
torpor, 705
Tranquilla, L. A. M., *see* Bradley, R. W., 178
Tree Swallow, 803
trip duration, 823
Trivers-Willard hypothesis, 881
Troglodytes aedon, 183, 881
trophic level, 1
Troup, C., *see* Waugh, S., 662
Tubaro, P. L., D. A. Lijtmaer, M. G. Palacios and C. Kopuchian, Adaptive modification of tail structure in relation to body mass and buckling in woodcreepers, 281
Tympanuchus cupido, 683
pallidicinctus, 683
Tyto alba stertens, 885

U

Underwood, T. J., and R. R. Roth, Demographic variables are poor indicators of Wood Thrush productivity, 92
urban, 162
urbanization, 643
Urea lomvia, 1

V

Van Hook, J. A., *see* Vleck, C. M., 667
Van Pelt, T. I., *see* Harding, A. M. A., 842
Vander Haegen, W. M., M. A. Schroeder and R. M. DeGraaf, Predation on real and artificial nests

in shrubsteppe landscapes fragmented by agriculture, 496
Vanderkist, B. A., *see* Bradley, R. W., 178
see Lougheed, C., 319
Vargas, J. J., *see* McGrady, M. J., 39
variable circular-plot, 469
vegetation structure, 890
Vestiaria coccinea, 469
vicariance, 725
videocameras, 899
Vireo bellii pusillus, 795
olivaceus, 558
Vireo, Least Bell's 795
vision, ultraviolet, 248
Vleck, C. M., and J. A. Van Hook, Absence of daily rhythms of prolactin and corticosterone in Adélie Penguins under continuous daylight, 667
vocal development, 761
distinctiveness, 387
recognition, juvenile, 854
vocalizations, 858
Voelker, G., Systematics and historical biogeography of wagtails: dispersal versus vicariance revisited, 725
Volatinia jacarina, 30
Vultur gryphus, 832

W

Wang, Y., and D. M. Finch, Consistency of mist netting and point counts in assessing landbird species richness and relative abundance during migration, 59
Warbler, Hooded, 366
Warbler, Sylviid, 231
Warbler, Yellow, 146
Washburn, B. E., D. L. Morris, J. J. Millspaugh, J. Faaborg and J. H. Schulz, Using a commercially available radioimmunoassay to quantify corticosterone in avian plasma, 558
water levels, 216
waterfowl, 424
Waugh, S., C. Troup, D. Filippi and H. Weimerskirch, Foraging zones of Southern Royal Albatrosses, 662
Weckstein, J. D., A. D. Afton, R. M. Zink and R. T. Alisauskas, Hybridization and population subdivision within and between Ross's Geese and Lesser Snow Geese: a molecular perspective, 432
Weimerskirch, H., *see* Waugh, S., 662
Westcott, D. A., and F. J. Kroon, Geographic song variation and its consequences in the Golden Bowerbird, 750
Westneat, D. F., I. R. K. Stewart, E. H. Woeste, J. Gipson, L. Abdulkadir and J. P. Poston, Patterns of sex ratio variation in House Sparrows, 598
wetlands, 631
Whaling, C., *see* Soha, J. A., 848
Wiebe, M. O., *see* Chilton, G., 378
Wikelski, M., *see* Bard, S. C., 387
Wilbur, S. R., The California Condor: a saga of natural history and conservation, by Noel Snyder and Helen Snyder (book review), 222
Willamette Valley, 271
Willet, 620
Williams, C. L., R. C. Brust and O. E. Rhodes, Jr., Microsatellite polymorphism and genetic structure of Florida Mottled Duck populations, 424
Willson, M. F., *see* De Santo, T. L., 482
Wilson, R. P., *see* Ropert-Coudert, Y., 444
Wilsonia citrina, 366
Wingfield, J. C., *see* Bard, S. C., 387
wingtip patterns, 687
winter, 780
ranging, 39
Woakes, A. J., *see* Guillemette, M., 448
Woeste, E. H., *see* Westneat, D. F., 598
Wood, J. J., *see* Pearce, R. L., 84
Woodpecker, Three-toed, 167
Wrentit, 740
Wright, T. F., *see* South, J. M., 437

XYZ

Yates, M. A., *see* Shannon, H. D., 679
Young, G. S., *see* Shannon, H. D., 679
Zenaida aurita, 587
macroura, 558
Zenaida Dove, 587
Zink, R. M., S. Rohwer, S. Drovetski, R. C. Blackwell-Rago and S. L. Farrell, Holarctic phylogeography and species limits of Three-toed Woodpeckers, 167
Zink, R. M., *see* Weckstein, J. D., 432
Zonotrichia capensis, 162
leucophrys, 848
leucophrys gambelii, 129, 378
Zosterops japonicus, 469
lateralis, 136